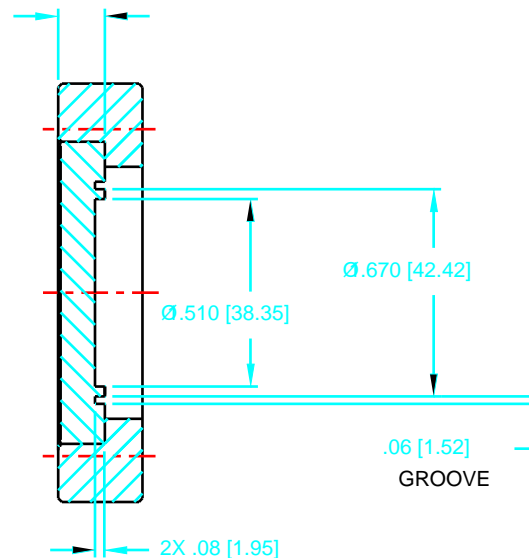


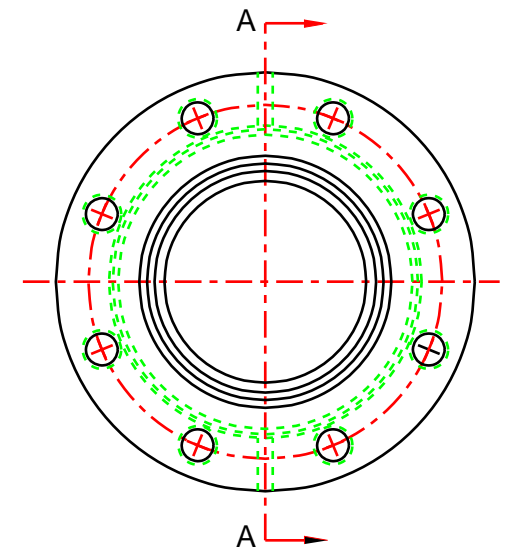
NOTES:

1. MAKE FROM MDC'S 3 3/8" O.D. THREADED ROTATABLE VACUUM FLANGE CAT. #120015
2. WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:  
A) CIMCOOL 5 STAR 49  
B) TRIM SOL
3. ALL SURFACES MUST BE MACHINED FOR CLEAN UP
4. FINISHING: WHEN MACHINING VACUUM PARTS USE OF ABRASIVE PAPER OR SANDING DISCS, BUFFING OR POLISHING COMPOUNDS, OR RESIN-BONDED GRINDING WHEELS IS PROHIBITED
5. CLEANING: THE COMPONENT MUST BE CLEANED SUCH THAT A UHV PRESSURE OF  $1 \times 10^{-9}$  TORR CAN BE ACHIEVED
6. HANDLING: THE COMPONENTS SHALL BE HANDLED WITH WHITE SILK GLOVES AND WRAPPED WITH ALUMINUM FOIL TYPE DRY ANNEAL AND UNDER CLEAN ROOM CONDITIONS
7. BREAK ALL SHARP CORNERS 0.03
8. DIMENSIONS IN [ ] ARE MILLIMETERS AND FOR REF. ONLY

(.376 [9.55])



SECTION A - A



ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION		MATERIAL / SPEC	QTY
<b>PARTS LIST</b>					
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS .X - .1 [2.5] .XX - .01 [0.25] .XXX - .005 [0.13] SURFACE ROUGHNESS 125 REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX. SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1 DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5 DO NOT SCALE DRAWING		LOG NUMBER <b>P8530101-00</b> DRAWN BY <b>MUSCIA</b> CHECKED BY <b>J. CHANG</b> DESIGNER <b>CHANG/MUSCIA</b> RESPONSIBLE ENGINEER <b>J. CHANG</b> MATERIAL <b>SEE NOTE #1</b>		THIS DRAWING IS THE PROPERTY OF <b>ARGONNE NATIONAL LABORATORY</b> CHIEF DESIGN ENGINEER <b>D. Shu</b> GP LEADER <b>T.M. Kuzay</b> PROJECT MGR. APPROVED/RELEASED SCALE 1:1 SIZE B DRAWING NUMBER <b>P8-530101-00</b>	
DATE <b>4/24/97</b> DATE <b>5/20/97</b> DATE <b>4/24/97</b> DATE <b>5/20/97</b>		DATE <b>6/6/97</b> DATE <b>6/9/97</b> DATE DATE DATE		TITLE <b>ADVANCED PHOTON SOURCE            P8-50 MONO SHUTTER FOR            1-ID BACKSCATTERING            TUNGSTEN FLANGE</b>	
SYM CHANGE DESCRIPTION BY CHKD DATE		SHEET 14			